

VESTOWAX® C 20, C 60

Oxidised Fischer-Tropsch waxes

34.13.031e / 16.05

General Description

The Fischer-Tropsch wax oxidates VESTOWAX C 20 and C 60 contain free wax acids and wax acid esters.

Specification

Property	VESTOWAX C 20	VESTOWAX C 60	Unit	Measurement method
Drop point	106 – 111	100 – 105	°C	DGF M-III 3
Penetration number	1 – 3	3 – 5	mm·10 ⁻¹	DGF M-III 9b
Viscosity (120 °C)	< 20	< 20	mPa s	DIN 52 007/2
Acid number	10 – 13	29 – 34	mg KOH/g	DGF M-IV 2
Saponification number	20 – 30	50 – 62	mg KOH/g	DGF M-IV 2
Colour	white	white		
Form supplied	flakes/mikroprills	microprills/powder		

Properties and applications

Owing to the presence of polar groups and their low viscosity, VESTOWAX C grades are dispersants for other waxes, pigments, dyes and further components in molten masses and solvent-based systems.

Nonionic aqueous VESTOWAX C 20 dispersions (to be neutralised with alkali or amine), alone or combined with paraffin waxes, are mainly used for reducing the yarn-metal friction in sewing thread preparation.

In addition to their use in the textile industry, aqueous VESTOWAX C 60 dispersions can also be used as release agents in the building material and plastics industries, as auxiliaries in papermaking and as dry-bright emulsion combined with polymer dispersions. VESTOWAX C 60 is also suitable for preparing mixed saponified products which are used, for example, in furniture and car polishes.

VESTOWAX C 60 – frequently in powder form – is a slightly PVC-compatible external lubricant.

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